

Schedule of work

Name of Work: Electrical renovation work in Room No.: M-061 and M-033 located in the Main Building of IACS, Jadavpur.					
Sl. No.	Description.	Quantity	Unit	Rate(Rs)	Amount (Rs.)
1	Wiring for light point/fan point/exhaust fan point/call bell point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable in surface/recessed medium class PVC conduit,with modular switch,modular plate, suitable GI box and earthing the point with 1.5 sq.mm.FRLS PVC insulated copper conductor single core cable etc.as required.				
	Group C (as per CPWD categorization)	5	No.		
	Make: wire: Finolex, polycab, MESCAB, KEI, Havells Conduit : Piazza/ presto/AKG/ precession				
2	Wiring for circuit/submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor,single core cable in surface/recessed medium class PVC conduit as required.				
a)	2X4 sq.mm.+ 1X4 sq.mm. earth wire.	165	Mtrs.		
b)	2X6 sq.mm.+ 1X6 sq.mm. earth wire.	165	Mtrs.		
c)	2X16 sq.mm.+ 1X6 sq.mm. earth wire.	55	Mtrs.		
d)	4X16 sq.mm.+2X6 sq.mm. earth wire.	25	Mtrs.		
	Make: wire: Finolex, polycab, MESCAB, KEI, Havells Conduit : Piazza/ presto /AKG / precession				
3	Supplying & fixing of following ways surface /recess mounting vertical type, 415V,TPN MCB incoming , sheet steel, distribution board with both end cable entry box of dust protected, duly powder painted, inclusive of 160A tinned copper bus bar, common neutral link, earth bar, din bar, for mounting MCBs complete as required.				
a)	4 Way (4+12)Double door.	1	No.		
b)	8 Way (4+24)Double door.	1	No.		
	Make: Legrand/L&T/ABB/C&S/Havells/Hagar				
4	Supplying and fixing following way, single pole and neutral ,sheet steel, MCB distribution board , 240V,on surface/recess,complete with tinned copper busbar,earth bar din bar, interconnections,powder painted including earthing etc.as required.(But without MCB/RCCB/Isolator				
a)	6 way, Double door.	9	No		
b)	12 way, Double door.	2	No		
	Make: Legrand/L&T/ABB/C&S/Havells/Hagar				

Sl. No.	Description.	Quantity	Unit	Rate(Rs.)	Amount (Rs.)
5	Supplying & fixing of following rating 240/415 V, 10KA, 'C' curve MCB suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
a)	6A single pole	5	Nos.		
b)	16A single pole	18	Nos.		
c)	20A single pole	8	Nos.		
d)	32 A Single Pole	15	No.		
e)	40 A Single Pole	2	Nos.		
f)	63 A Single Pole	4	Nos.		
g)	20A double pole	3	Nos.		
h)	32A double pole	14	Nos.		
i)	63 A double pole	2	Nos.		
j)	40 A triple pole	2	Nos.		
k)	63A Four pole	5	Nos.		
	Make: Legrand/L&T/ABB/C&S/Havells/Hagar				
6	Supplying of following PVC sheathed/XLPE insulated armoured multistrand aluminium power cable of 1.1 KV grade as per IS : 7098 (part-1) 1988 etc. as required.				
a)	4 core X 16 sq.mm.	100	Metre		
	Make: Havells/Gloster/KEI/				
7	Laying & fixing of one no PVC insulated and PVC sheathed /XLPE power cable of 1.1 KV grade of size on wall surface as required. Above 35 sq.mm & upto 95 sq.mm. (clamped with 25 mm 3 mm MS flat clamp)				
a)	4 core X 16 sq.mm.	100	Metre		
8	Supplying & making end termination with brass compression gland and Aluminium lugs for following size of PVC insulated & PVC sheathed /XLPE insulated 'Al' conductor power cable of 1.1 KV grade as required.				
a)	4 core X 16 sq.mm.	6	Each		
9	Providing & Fixing of 4 mm dia bare copper wire on surface or in recess for loop earthing along with exisiting surface / recessed conduit / submain wiring / cable as required.	200	Metre		

Sl. No.	Description.	Quantity	Unit	Rate(Rs.)	Amount (Rs.)
10	Earthing with copper earth plate 600 mmX 600 mmX 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/coke and salt as required.	2	Set		
11	Providing and fixing 25 mm X 5 mm copper strip (wrapped with PVC sleeve) on insulator surface for connections etc. as required.	40	Meter		
12	Providing and fixing 50 mm X 5mm copper strip on insulator surface for connections etc. as required.	1	Meter		
13	Supplying and laying of following size/modules GI box along with modular base & cover plate for modular switches in recess/surface etc. as required.				
	Make: Crabtree/MK/Legrand/L&T/Havells				
a)	2 Modules (75mmX75mm)	6	Nos.		
b)	3 Modules (100 mmX 75 mm)	8	Nos.		
c)	6 Modules (200 mm x 75 mm)	4	Nos.		
d)	8 Modules (200 mm x 75 mm)	6	Nos.		
14	Supplying and fixing of following modular switch/socket on existing modular plate & switch box including connections but excluding modular plate etc. as required.				
	Make: Crabtree/MK/Legrand/L&T/Havells				
a)	5/6 A switch.	10	Nos.		
b)	3 pin 5/6 A socket outlet	15	Nos.		
c)	15/16 Amp switch.	25	Nos.		
d)	6 pin 15/16 Amp socket outlet.	25	Nos.		
15	Providing, supplying and fixing of 63A, 4 pole Manual Change Over Switch, in sheet steel enclosure with hinged type single door, padlocking facility, removable gland plates at both ends, gasket protected and cable end boxes at both ends.	1	Each		
	Make: Legrand, L&T, Hagar, ABB, C&S				
16	Supply, installation, testing & commissioning of Microprocessor based sequential AC timer, capable to switch between two nos. of 2 ton AC sequentially, with auto/manual/bypass mode as per requirement.	5	Nos.		
17	Supplying and fixing of modular type 25A AC starter switch along with GI box to be recessed/surface in wall including connections but excluding providing modular plate etc. as required.	8	Nos.		
18	Dismantelling and shifting of 3 nos. of 6 KVA and 1 no. 30 KVA UPS with its battery bank. Again Re-fixing and commissioning of the UPSs with its battery bank after completion of work, as required.	1	Lot		
19	Supplying, fixing, testing and commissioning of wall mounted 2 X 20W LED batten type luminarie, cool day light (5400K), with lights, frame and all accessories complete, as required.	4	Nos.		
	Make: Crompton/Phillips/bajaj/Havells/wipro				
			Total		
Rupees.....Only					
NOTE: The quoted rate shall be inclusive of all taxes & duties, levies, cess etc i/c GST also. Nothing extra will be paid to the Contractor except the accepted rate.					
GST No:					
HSN/SAC code:					
CGST@ 9% considered in the above BOQ					
SGST@ 9% Considered in the above BOQ					